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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/900,773	07/06/2001	Steven Michael Bellovin	12177/60501	7692
7590	09/25/2006		EXAMINER	
			PEREZ, ANGELICA	
			ART UNIT	PAPER NUMBER
			2618	

DATE MAILED: 09/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/900,773	BELLOVIN, STEVEN MICHAEL	
	Examiner	Art Unit	
	Angelica M. Perez	2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 20 July 2006.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-28 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 7/20/2006 has been entered.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-5, 17, 21 and 25-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over by Tayloe et al. (Tayoe, US Patent No.: 6,192,240 B1) in view of Bartle (Bartle et al.; US Patent No.: 6,018,655 A) and further in view of Schipper (Schipper et al.; US Patent No.: 6,038,444).

Regarding claims 1, 21 and 25, Tayloe teaches of a method for processing a, call, communication interruption, telephone call interruption and a telecommunication system (column 2, lines 22-38), between at least two communication devices (figure 2, column 1, lines 5-9; where it is inherent in the art for cellular telephone communications

to operate between, at least, two communication devices) comprising the steps and means of: based on the consulting, predicting, during an established communication between the communication devices, that a connection to one of the communication devices will be interrupted (column 3, lines 22-28; e.g., "until an outage is predicted"; where an outage causes communication interruptions), and announcing, before the connection is interrupted, that the connection to the one communication device will be interrupted (column 3, lines 22-28; where at least one of the callers involved in the communication is notified "that an outage is imminent", before the call is terminated).

Tayloe does not specifically teach of consulting data comprising a plurality of predetermined prediction points indicating a fixed structure capable of presenting an interference to the communication in progress.

In related art, concerning imminent change warning, Bartle teaches of consulting data comprising a plurality of predetermined prediction points indicating a fixed structure capable of presenting an interference to the communication in progress (columns 5 and 6, where the fixed structures can be base stations).

It would have been obvious to a one of ordinary skill in the art at the time the invention was made to combine Tayloe's method for processing a communication interruption with Bartle's historic data in order to determine imminent disconnections, as taught by Bartle.

Tayloe in view of Bartle does not specifically teach where a prediction point is separated from an interruption point by a first predetermined time or distance interval, and a second predetermined time or distance interval between the interruption point and

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a connectivity point defines a no-coverage zone, the communication being capable of being re-established at or beyond the connectivity point outside the no-coverage zone.

In related art concerning a method and apparatus for advising cellphone users of possible action to avoid dropped calls, Schipper teaches where a prediction point is separated from an interruption point by a first predetermined time or distance interval (figure 2 and column 3, lines 50-67), and a second predetermined time or distance interval between the interruption point and a connectivity point defines a no-coverage zone (figure 2, item CR12; columns 5 and 6, lines 47-67 and 1-18, respectively), the communication being capable of being re-established at or beyond the connectivity point outside the no-coverage zone (columns 3 and 4, lines 65-67 and 1-3; where handover takes place).

It would have been obvious to a one of ordinary skill in the art at the time the invention was made to combine Tayloe in view of Bartle method for processing a communication interruption with Schipper's distance/time before interruption occurs in order to allow the user to choose options other than terminating the call in progress, as taught by Schipper.

Regarding claim 2, Tayloe in view of Bartle and further in view of Schipper teaches all the limitations according to claim 1. Tayloe further teaches where at least one of the communication device is selected from a group consisting of a wireless telephone, a cellular telephone, a landline telephone, a PDA (personal digital assistant), a computer and a mobile communication device (column 2, lines 64-67; where the examiner selected "cellular telephone" from the choices provided by the applicant).

Regarding claim 3, Tayloe in view of Bartle and further in view of Schipper teaches all the limitations according to claim 1. Bartle further teaches where a prediction point indicates one of a tunnel blocking the communication, a hill obstructing the communication, an indoor feature obstructing the communication, an outdoor feature obstructing the communication, (columns 5 and 6, lines 56-67 and 1-4, respectively; where intervening structures can be a base station).

Regarding claim 17, Tayloe in view of Bartle and further in view of Schipper teaches all the limitations according to claim 1. Tayloe further teaches where least one communication device is a wireless communication device operating in conjunction with a wireless communication network having a coverage area (figure 1 and column 2, lines 22-38), the method further comprising the step of: calculating the duration of the interruption prior to the announcement (column 4, lines 3-5; e.g., "the time remaining...before the call is dropped").

Regarding claim 26, Tayloe teaches of a method comprising (column 1, lines 5-9): predicting a communication drop-off for two communication devices in communication (column 3, lines 22-28; e.g., "until an outage is predicted"; where an outage causes communication interruptions; column 3, lines 44-51), calculating a communication drop-off point (column 3, lines 44-51; where the drop-off point is calculated according to the "current position on earth, the relative position of the satellite cells and their size, shape and location..."); and before the drop-off point is reached, notifying a user of at least one of the communication devices of the drop-off (column 4, lines 1-15).

Tayloe does not specifically teach of data comprising a plurality of predetermined prediction points indicating a fixed structure capable of presenting an interference to the communication in progress.

In related art, concerning imminent change warning, Bartle teaches of consulting data comprising a plurality of predetermined prediction points indicating a fixed structure capable of presenting an interference to the communication in progress (columns 5 and 6, where the fixed structures can be base stations).

It would have been obvious to a one of ordinary skill in the art at the time the invention was made to combine Tayloe's method for processing a communication interruption with Bartle's historic data in order to determine imminent disconnections, as taught by Bartle.

Tayloe in view of Bartle does not specifically teach where a prediction point is separated from an interruption point by a first predetermined time or distance interval, and a second predetermined time or distance interval between the interruption point and a connectivity point defines a no-coverage zone, the communication being capable of being re-established at or beyond the connectivity point outside the no-coverage zone.

In related art concerning a method and apparatus for advising cellphone users of possible action to avoid dropped calls, Schipper teaches where a prediction point is separated from an interruption point by a first predetermined time or distance interval (figure 2 and column 3, lines 50-67), and a second predetermined time or distance interval between the interruption point and a connectivity point defines a no-coverage zone (figure 2, item CR12; columns 5 and 6, lines 47-67 and 1-18, respectively), the

communication being capable of being re-established at or beyond the connectivity point outside the no-coverage zone (columns 3 and 4, lines 65-67 and 1-3; where handover takes place).

It would have been obvious to a one of ordinary skill in the art at the time the invention was made to combine Tayloe in view of Bartle method for processing a communication interruption with Schipper's distance/time before interruption occurs in order to allow the user to choose options other than terminating the call in progress, as taught by Schipper.

Regarding claim 27, Tayloe in view of Bartle and further in view of Schipper teaches all the limitations according to claim 26. Tayloe further teaches comprising notifying the user of a time interval until the drop-off (column 4, lines 3-5).

Regarding claim 28. Tayloe teaches of an intelligent electronic device comprising logic to: predict, a communication drop-off for two communication devices in communication (column 3, lines 22-28; e.g., "until an outage is predicted"; where an outage causes communication interruptions; column 3, lines 44-51), calculate a communication drop-off point (column 3, lines 44-51; where the drop-off point is calculated according to the "current position on earth, the relative position of the satellite cells and their size, shape and location..."); and before the drop-off point is reached, notify a user of at least one of the communication devices of the drop-off (column 3, lines 23-29).

Tayloe does not specifically teach of data comprising a plurality of predetermined prediction points indicating a fixed structure capable of presenting an interference to the communication in progress.

In related art, concerning imminent change warning, Bartle teaches of consulting data comprising a plurality of predetermined prediction points indicating a fixed structure capable of presenting an interference to the communication in progress (columns 5 and 6, where the fixed structures can be base stations).

It would have been obvious to a one of ordinary skill in the art at the time the invention was made to combine Tayloe's method for processing a communication interruption with Bartle's historic data in order to determine imminent disconnections, as taught by Bartle.

Tayloe in view of Bartle does not specifically teach where a prediction point is separated from an interruption point by a first predetermined time or distance interval, and a second predetermined time or distance interval between the interruption point and a connectivity point defines a no-coverage zone, the communication being capable of being re-established at or beyond the connectivity point outside the no-coverage zone.

In related art concerning a method and apparatus for advising cellphone users of possible action to avoid dropped calls, Schipper teaches where a prediction point is separated from an interruption point by a first predetermined time or distance interval (figure 2 and column 3, lines 50-67), and a second predetermined time or distance interval between the interruption point and a connectivity point defines a no-coverage zone (figure 2, item CR12; columns 5 and 6, lines 47-67 and 1-18, respectively), the

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communication being capable of being re-established at or beyond the connectivity point outside the no-coverage zone (columns 3 and 4, lines 65-67 and 1-3; where handover takes place).

It would have been obvious to a one of ordinary skill in the art at the time the invention was made to combine Tayloe in view of Bartle method for processing a communication interruption with Schipper's distance/time before interruption occurs in order to allow the user to choose options other than terminating the call in progress, as taught by Schipper.

4. Claims 10-16 and 18-20 and 22-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tayloe in view of Bartle and further in view of Schipper as applied to claims 1, 12 and 15 above, and further in view of Amin et al. (Amin, US 5,995,830 A).

Regarding claim 10, Tayloe in view Bartle and further in view of Schipper teaches all the limitations according to claim 1.

Tayloe in view of Bartle and further in view of Schipper does not specifically teach where the announcement also contains at least one reason for the communication interruption between the devices.

In related art, concerning a system and method for processing dropped calls, Amin teaches where the announcement also contains at least one reason for the communication interruption between the devices (column 2, lines 8-12; e.g., "may include the reasons that the connection was dropped").

It would have been obvious to a one of ordinary skill in the art at the time the invention was made to combine Tayloe in view of Bartle and further in view of Schipper

method for processing a communication interruption with Amin's message including the reasons why the connection was dropped in order to "increase the chances that the communication between the users can continue", as taught by Amin.

Regarding claim 11, Tayloe in view of Bartle and further in view of Schipper teaches all the limitations according to claim 1.

Tayloe in view of Bartle and further in view of Schipper does not specifically teach the step of sending a message to the other communication device indicating the reason that the connection to the one communication device has been interrupted.

In related art, concerning a system and method for processing dropped calls, Amin teaches the step of sending a message to the other communication device indicating the reason that the connection to the one communication device has been interrupted (column 2, lines 8-12; e.g., "may include the reasons that the connection was dropped").

It would have been obvious to a one of ordinary skill in the art at the time the invention was made to combine Tayloe in view of Bartle and further in view of Schipper method for processing a communication interruption with Amin's message including the reasons why the connection was dropped in order to "increase the chances that the communication between the users can continue", as taught by Amin.

Regarding claims 12 and 22, Tayloe in view of Bartle and further in view of Schipper teaches all the limitations according to claims 1 and 21, respectively.

Tayloe in view of Bartle and further in view of Schipper does not specifically teach the step of reconnecting to the one communication device and re-establishing the communication.

In related art, concerning a system and method for processing dropped calls, Amin teaches the step of reconnecting to the one communication device and re-establishing the communication (column 2, lines 16-20).

It would have been obvious to a one of ordinary skill in the art at the time the invention was made to combine Tayloe in view of Bartle and further in view of Schipper method for processing a communication interruption with Amin's reconnecting and re-establishing the communication in order to maintain communication between the users, as taught by Amin.

Regarding claim 13, Tayloe in view of Bartle, further in view of Schipper and Amin teaches all the limitations according to claim 12. Amin further teaches the step of sending at least one reconnection indication to the other communication device upon a successful reconnection to the one communication device (column 2 lines 20-23).

Regarding claims 14 and 23, Tayloe in view of Bartle and further in view of Schipper teaches all the limitations according to claims 1 and 21, respectively.

Tayloe in view of Bartle and further in view of Schipper does not specifically teach the step of making at least one attempt to re-establish communication between the two communication devices.

In related art, concerning a system and method for processing dropped calls, Amin teaches the step of making at least one attempt to re-establish communication between the two communication devices (column 2, lines 13-18).

It would have been obvious to a one of ordinary skill in the art at the time the invention was made to combine Tayloe in view of Bartle and further in view of Schipper method for processing a communication interruption with Amin's attempt to re-establish communication in order to maintain communication between the users, as taught by Amin.

Regarding claim 15, Tayloe in view of Bartle and further in view of Schipper teaches all the limitations according to claim 1.

Tayloe in view of Bartle and further in view of Schipper does not specifically teach the step of attempting to reconnect to the one communication device, and if the reconnection fails, connecting the other communication device to another medium.

In related art, concerning a system and method for processing dropped calls, Amin teaches the step of attempting to reconnect to the one communication device, and if the reconnection fails, connecting the other communication device to another medium (column 2, lines 24-31; e.g., "voice mail").

It would have been obvious to a one of ordinary skill in the art at the time the invention was made to combine Tayloe in view Bartle and further in view of Schipper method for processing a communication interruption with Amin's connecting the other communication device to another medium in order to "increase the chances that the communication between the users can continue", as taught by Amin.

Regarding claim 16, Tayloe in view of Bartle, further in view of Schipper and further in view of Amin teaches all the limitations according to claim 15. Amin further teaches where the another medium is selected from a group consisting of voice mail, a memory location, audio, data and video (column 2, lines 24-31; where the examiner selected "voice mail" from the choices provided by the applicant).

Regarding claim 18, Tayloe in view of Bartle and further in view of Schipper teaches all the limitations according to claim 1.

Tayloe in view of Bartle and further in view of Schipper does not specifically teach where at least one communication device is a wireless communication device operating in conjunction with a wireless communication network having a coverage area, the method further comprising the step of: determining the reasons for the connection interruption.

In related art, concerning a system and method for processing dropped calls, Amin teaches where at least one communication device is a wireless communication device operating in conjunction with a wireless communication network having a coverage area, the method further comprising the step of: determining the reasons for the connection interruption (column 2, lines 8-12; e.g., "the reasons that the connection was dropped").

It would have been obvious to a one of ordinary skill in the art at the time the invention was made to combine Tayloe in view of Bartle and further in view of Schipper method for processing a communication interruption with Amin's determination of the reasons why the connection was dropped in order to inform the users about them; thus,

"increase the chances that the communication between the users can continue", as taught by Amin.

Regarding claim 19, Tayloe in view of Bartle and further in view of Schipper teaches all the limitations according to claim 1.

Tayloe in view of Bartle and further in view of Schipper does not specifically teach where the reason for interruption is selected from a group consisting of the communication device has traveled outside a coverage area, due to an indoor obstruction and due to an outdoor obstruction.

In related art, concerning a system and method for processing dropped calls, Amin teaches where the reason for interruption is selected from a group consisting of the communication device has traveled outside a coverage area, due to an indoor obstruction and due to an outdoor obstruction (column 5, table 2; e.g., "mobile telephone traveled outside coverage area").

It would have been obvious to a one of ordinary skill in the art at the time the invention was made to combine Tayloe in view of Bartle and further in view of Schipper method for processing a communication interruption with Amin's reason for interruption selected from a group of reasons for dropped call in order to assess the reconnection possibilities, as taught by Amin.

Regarding claim 20, Tayloe in view of Bartle and further in view of Schipper teaches all the limitations according to claim 1.

Tayloe in view Bartle and further in view of Schipper does not specifically teach where at least one communication device is a wireless communication device operating

in conjunction with a wireless communication network having a coverage area, the method further comprising the step of: connecting the other communication device to voice mail without attempting to reconnect to the wireless communication device.

In related art, concerning a system and method for processing dropped calls, Amin teaches where at least one communication device is a wireless communication device operating in conjunction with a wireless communication network having a coverage area, the method further comprising the step of: connecting the other communication device to voice mail without attempting to reconnect to the wireless communication device (column 2, lines 32-42 and column 5, lines 47-50).

It would have been obvious to a one of ordinary skill in the art at the time the invention was made to combine Tayloe in view of Bartle and further in view of Schipper method for processing a communication interruption with Amin's connecting the other communication device to voice mail without attempting to reconnect in order to "increase the chances that the communication between the users can continue", as taught by Amin.

Regarding claim 24, Tayloe in view of Bartle and further in view of Schipper teaches all the limitations according to claim 21.

Tayloe in view of Bartle and further in view of Schipper does not specifically teach the step of dialing a telephone number of the one communication device.

In related art, concerning a system and method for processing dropped calls, Amin teaches the step of dialing a telephone number of the one communication device (column 3, lines 36-46).

It would have been obvious to a one of ordinary skill in the art at the time the invention was made to combine Tayloe in view of Bartle and further in view of Schipper method for processing a communication interruption with Amin's step of dialing a telephone number in order to inform the user of a possible disconnection so that, the user can take measures that may "increase the chances that the communication between the users can continue", as taught by Amin.

Regarding claim 4, Tayloe in view of Bartle and further in view of Schipper teaches all the limitations according to claim 1. Tayloe further teaches where a prediction point is derived from one of historical data, geographical data, enhanced location data, topographical data and GPS (Global Positioning System) (column 3, lines 43-49).

Bartle teaches where the communication interruption prediction is based on historical data (column 10, lines 20-31 and column 2, lines 6-17; where the history of conditions where thresholds have been violated provide the basis for interruption predictions. The examiner selected "historical data" form the choices provided by the applicant).

Regarding claim 5, Tayloe in view Bartle and further in view of Schipper teaches all the limitations according to claim 4. Bartle further teaches where the historical data is collected from at least one subscriber using the communication device along a path and analyzing the communication patterns, including interruptions, along the path (column 2, lines 6-34).

5. Claims 6-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tayloe in view of Bartle, further in view of Schipper and further in view of Elwin (Elwin, Randy; US Patent No.: 006,317,596 B1).

Regarding claim 6, Tayloe in view of Bartle and further in view of Schipper teaches all the limitations according to claim 4.

Tayloe in view of Bartle and further in view of Schipper does not specifically teach where the geographical data is collected by mapping areas along a path for obstructions that create communication interruptions.

In related art regarding an error detection and reporting system, Elwin teaches where the geographical data is collected by mapping areas along a path for obstructions that create communication interruptions (column 2, lines 3-7; where triangulation is a way of mapping).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Tayloe in view of Bartle and further in view of Schipper combination with Elwin's mapping system in order to acquire more precise data to achieve better future predictions that will avoid telephone calls from being dropped.

Regarding claim 7, Tayloe in view of Bartle and further in view of Schipper teaches all the limitations according to claim 4. Elwin further teaches where the enhanced location data is collected by observing communication flow patterns and analyzing them for any communication interruptions (column 2, lines 7-11).

Regarding claim 8, Tayloe in view of Bartle and further in view of Schipper teaches all the limitations according to claim 4. Elwin further teaches where the

topographical data is collected by mapping areas along a path for terrain that creates communication interruptions (column 2, lines 3-7; where triangulation is a way of mapping topographical data).

Regarding claim 9, Tayloe in view of Bartle and further in view of Schipper teaches all the limitations according to claim 4. Elwin further teaches where Global Positioning System (GPS) is used to observe the communication patterns and communication obstructions features and combines both to display communication interruption (column 2, lines 11-15).

Response to Arguments

6. Applicant's arguments with respect to claims 1-28 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

US Patent No.: 6,349,206 B1; teaches about a method, system and apparatus for providing a warning when a mobile terminal may lose service.

US Patent No.: 6,317,596; teaches about monitoring and saving call state information leading to a link failure in a non-volatile memory.

US Patent No.: 6,381,455; teaches about warning from an impending call drop in a wireless system.

US Patent No.: 6,343,216; deals with reconnection of a dropped call in a mobile communication system.

8. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Angelica Perez whose telephone number is 571-272-7885. The examiner can normally be reached on 7:00 a.m. - 3:30 p.m., Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on (571) 272-7882. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and for After Final communications.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published

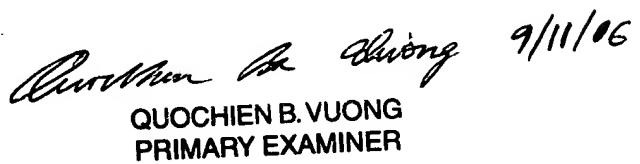
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applications may be obtained from either the PAIR or Public PAIR. Status information for unpublished applications is available through the Private PAIR only. For more information about the pair system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). Information regarding Patent Application Information Retrieval (PAIR) system can be found at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the TC 2600's customer service number is 703-306-0377.



Angelica Perez
(Examiner)



Quochien B. Vuong 9/11/06

QUOCHIEN B. VUONG
PRIMARY EXAMINER

September 8, 2006

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